

Converting Colors

XYZ(16.3893, 16.1045, 21.4157)

Have a look what the booklet for
XYZ(16.3893, 16.1045, 21.4157)
contains.

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Color

**XYZ(16.4428, 16.1744,
21.3241)**

Conversions

Conversions Part 1

Format	Color
Hex	756D7C
RGB	117, 109, 124
RGB Percent	46%, 43%, 49%
CMY	0.5412, 0.5725, 0.5137
CMYK	0.06, 0.12, 0.00, 0.51
HSL	272°, 6%, 46%
HSV	272°, 12%, 49%
XYZ	16.4428, 16.1744, 21.3241
YIQ	113.1020, -0.0470, 6.3610

Conversions

Conversions Part 2

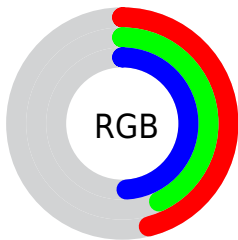
Format	Color
R_{YB}	117, 109, 124
Decimal	7695740
CIE Lab	47.20, 6.18, -7.18
CIE LCh	47, 9.467, 310.722
Yxy	16.1744, 0.3048, 0.2999
Android (android.graphics.Color)	4285885820 (0xFF756D7C)
YUV	113.1020, 5.3727, 3.4185
Hunter-Lab	40.2174, 2.5989, -3.2846

Details

The XYZ color **16.4428, 16.1744, 21.3241** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.1710, 19.2329, 17.2761**, and the grayscale version is **15.7112, 16.5294, 18.0005**.

A 20% lighter version of the original color is **36.8688, 36.7510, 46.7454**, and **5.4469, 5.2185, 7.3768** is the 20% darker color. If you saturate the color by 10%, you get **14.4586, 13.3248, 20.8789**, and if you desaturate by 10%, it is **18.6627, 19.4235, 21.8345**.

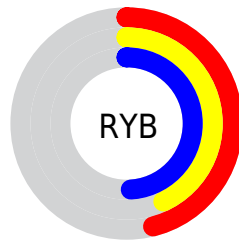
Distribution



Red (46%)

Green (43%)

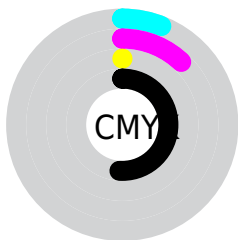
Blue (49%)



Red (46%)

Yellow (43%)

Blue (49%)

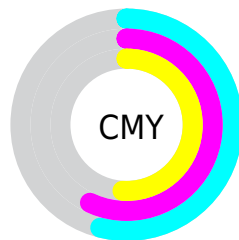


Cyan (6%)

Magenta (12%)

Yellow (0%)

Black (51%)



Cyan (54%)

Magenta (57%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4428, 16.1744, 21.3241 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 16.4428, 16.1744, 21.3241 by changing the saturation by 10% instead.

■ 16.4428, 16.1744,
21.3241

■ 16.4428, 16.1744,
21.3241

225.1600,
230.3686, 271.8333

■ 9.9309, 9.6476,
13.1676

■ 36.9165, 36.9007,
46.5141

■ 5.4151, 5.1660,
7.4120

■ 51.6090, 51.8690,
64.3846

■ 2.5300, 2.3450,
3.6387

■ 69.7590, 70.4200,
86.3302

■ 0.9104, 0.7974,
1.4293

■ 91.7320, 92.9381,
112.7694

■ 0.0000, 0.0000,
0.1644

117.8932,
119.8076, 144.1208

■ 0.0000, 0.0000,
0.0000

148.6080,

151.4129, 180.8029

184.2418,
188.1384, 223.2342

■ 16.4428, 16.1744,
21.3241

■ 16.4428, 16.1744,
21.3241

■ 14.4586, 13.3248,
20.8789

■ 18.6627, 19.4235,
21.8345

■ 12.7000, 10.8565,
20.4952

■ 21.1250, 23.0850,
22.4115

■ 11.1583, 8.7532,
20.1704

■ 23.8379, 27.1739,
23.0577

■ 9.8236, 6.9965,
19.9017

■ 26.8088, 31.7038,
23.7755

■ 8.6852, 5.5663,
19.6856

■ 30.0448, 36.6876,
24.5669

■ 7.7312, 4.4403,
19.5186

■ 33.5526, 42.1378,
25.4340

■ 6.9483, 3.5934,
19.3964

■ 37.3388, 48.0663,
26.3788

■ 6.3211, 2.9963,
19.3142

■ 41.4096, 54.4846,
27.4031

■ 5.8933, 2.6179,
19.2637

■ 45.7712, 61.4038,
28.5087

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.6734, 16.1744, 22.5172



16.4428, 16.1744, 21.3241



16.9364, 16.1744, 19.1705

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.4428, 16.1744, 21.3241



15.9085, 16.1744, 13.6240



13.8517, 16.1744, 18.4790

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16.4428, 16.1744, 21.3241



17.1710, 19.2329, 17.2761

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



13.9095, 16.1744, 16.1388



16.4428, 16.1744, 21.3241



15.0770, 16.1744, 13.4751

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.4428, 16.1744, 21.3241



16.6203, 16.1744, 14.7831



14.3512, 16.1744, 14.3564



14.1903, 16.1744, 20.7787

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.4428, 16.1744, 21.3241



17.0323, 16.1744, 17.5534



14.3512, 16.1744, 14.3564



13.8257, 16.1744, 17.6691

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16.4433, 16.1751, 21.3245



32.0267, 32.9798, 38.2344



16.2196, 17.2556, 21.5448



7.4808, 7.6762, 8.9904



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.4433, 16.1751, 21.3245



27.7524, 26.7527, 37.2577



17.4036, 16.6720, 21.2870



3.9827, 3.9889, 5.0032



5.9880, 2.6597, 19.5831



27.5732, 12.1765, 93.3668

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.9338, 16.4840, 18.8131



28.8391, 27.4369, 31.7098



16.2887, 18.7764, 17.3052



4.0689, 4.0433, 4.5605



9.2220, 4.6650, 4.4600



43.5678, 22.0835, 19.0520

Previews

White Background



This preview shows how the XYZ color 16.4428, 16.1744, 21.3241 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.4428, 16.1744, 21.3241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.4428, 16.1744, 21.3241

Background



This preview shows how black text looks on a background with the XYZ color 16.4428, 16.1744, 21.3241.



This preview shows how white text looks on a background with the XYZ color 16.4428, 16.1744,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16.4428, 16.1744, 21.3241

Protanopia

15.8165, 16.1645, 21.6885

Deuteranopia

16.4428, 16.1744, 21.3241



Tritanopia

16.1082, 16.1968, 19.7301

Trichromacy



Original Color

16.4428, 16.1744, 21.3241

Protanomaly

16.0877, 16.1432, 21.6701

Deuteranomaly

16.4428, 16.1744, 21.3241

Tritanomaly

16.2296, 16.2453, 20.3694

Monochromacy



Original Color

16.4428, 16.1744, 21.3241

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.9445, 16.4501, 19.1644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4428, 16.1744, 21.3241 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(117, 109, 124)` looks like.

```
.text, #text, p{  
    color:rgb(117, 109, 124)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(117, 109, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 109, 124) }
```

Border

The CSS property to change the border of an element to XYZ 16.4428, 16.1744, 21.3241 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 109, 124) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(117, 109, 124) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(117, 109, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 109, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 109, 124);  
box-shadow:4px 4px 4px 4px rgb(117, 109,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4428, 16.1744, 21.3241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 109, 124) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(117,  
109, 124) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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